

### Abstract of the Invention

Method and system for controlling operation of a radiotelephone speaker volume and/or microphone gain. Using signals from one or more proximity sensors associated with the radiotelephone device, the device determines if a radiotelephone user is within a selected proximity zone for the device. If the user is within the proximity zone, the system adjusts the speaker volume control and/or the microphone gain control according to an estimated user-device distance. If the user is beyond the proximity zone, the system may adjust the speaker volume and/or microphone gain to its maximum value, may provide a notification that the user is not within the proximity zone, or may disable the speaker and/or microphone. Several varieties of proximity sensors are used, individually and in combination.